SA-MRN-AC/DC

Minirack AC/DC

USER MANUAL

Version	1.0
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ABBREVIATIONS

UM	User Manual
SW	Firmware
ACU	Alarm Control Unit
TCU	Terminal Control Unit
CLI	Common Line Interface
int	internal
ext	external

VERSION CONTROL

UM Version	Date	SW Version	Major changes to previous version
1.0	9.08.2006	1.0	Start Version

Warnings

IT'S FORBIDDEN TO PLUG THE UNIT TO THE RACK WITH MOUNTED CONNECTORS!

INCORRECT USE OF THIS DEVICE, USE IN ANY OTHER ENVIRONMENT AND/OR CHASSIS/HOUSING THAN PROVIDED BY S-ACCESS MIGHT LEAD TO HARMFUL CONDITIONS. FAILURE TO FOLLOW THESE PRECAUTIONS MAY RESULT IN DEATH, SEVERE INJURY OR PROPERTY DAMAGE.

S-ACCESS GMBH REFUSES TO TAKE ANY RESPONSIBILITY; FURTHERMORE, NO WARRANTY IS GRANTED IN SUCH CASE!

Please read this manual carefully before operating the system.
Installation of this equipment has to be executed by qualified personnel only.

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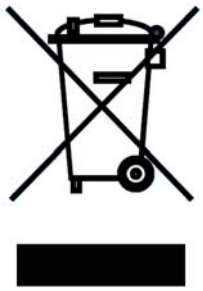
EU Directive 2002/96/EC and EN50419



This equipment is marked with the above recycling symbol. It means that at the end of the life of the equipment you must dispose of it separately at an appropriate collection point and not place it in the normal domestic unsorted waste stream. (European Union only)

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1 UNITS DESCRIPTION

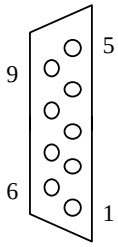
2 CONNECTOR DESCRIPTION

Please note:
Read carefully the User Manual of the inserted unit and check if the unit supports the access to the described interface.

2.1 Frontpanel

Front Connectors	Description
~230VAC	230Vac Power input
Monitor	RS232 connection to the backplane access of the unit. Use the %01<CR> command to establish a backplane access.
2048kHz	External clock Interface for an external 2048kHz clock source

2.1.1 Monitor Interface



Pin	Signal	Description
1		
2	TXD	EIA-232 Transmit Data
3	RXD	EIA-232 Receive Data
4		
5	SGND	EIA-232 Signal Ground
6		
7		
8		
9		

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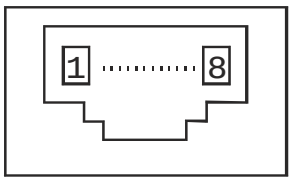
2.1.2 2048 kHz Interface

Type: RJ-45



Pin	Signal	Description
1	NC	
2	NC	
3	NC	
4	CLK+	positive clock input (symmetrical)
5	CLK -	negative clock input (symmetrical)
6	NC	
7	NC	
8	NC	

2.2 Backpanel

16……..1 4..1

FXx Power

Back Connectors	
Power	Interface for -48Vdc
FXx lines	Interface for analogue telephone lines

2.2.1 DC Power interface

Pin	Signal	Description	
1	0V	Positive power supply terminal	(0Vdc)
2	-V1	Negative power supply terminal 1	(-48Vdc)
3	-V2	Negative power supply terminal 2	(-48Vdc)
4	GND	Ground	

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2.2.2 FXx Interface

Pin	Signal	Description
1	FXx 1a	telephone line channel 1
2	FXx 1b	
3	FXx 2a	telephone line channel 2
4	FXx 2b	
5	FXx 3a	telephone line channel 3
6	FXx 3b	
7	FXx 4a	telephone line channel 4
8	FXx 4b	
9	FXx 5a	telephone line channel 5
10	FXx 5b	
11	FXx 6a	telephone line channel 6
12	FXx 6b	
13	FXx 7a	telephone line channel 7
14	FXx 7b	
15	FXx 8a	telephone line channel 8
16	FXx 8b	

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